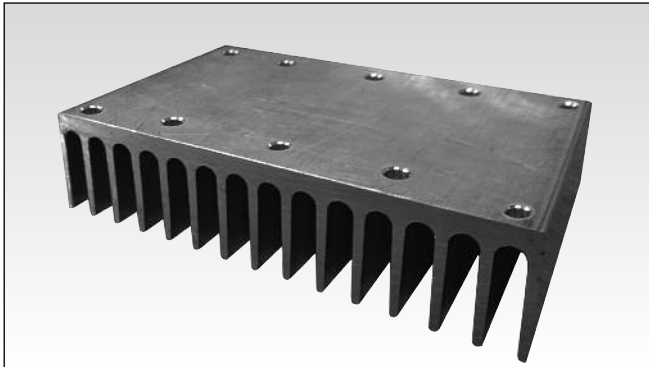
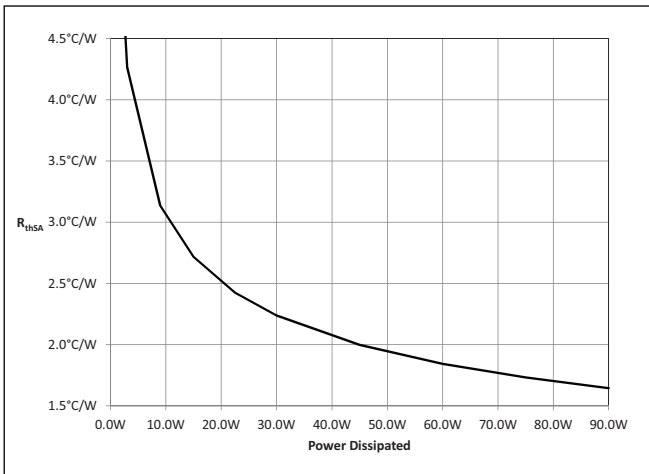


Solid State Relays Accessories, Heatsinks Type RHS10025D



- 1.85 °C/W thermal resistance
- Suitable for mounting of 3x 1-phase SSRs
- Thru wall or panel mounting
- Dimensions W x H x D: 100 x 100 x 25 mm
- RoHS compliant

Thermal Resistance Curve



Ordering Key

RHS10025D

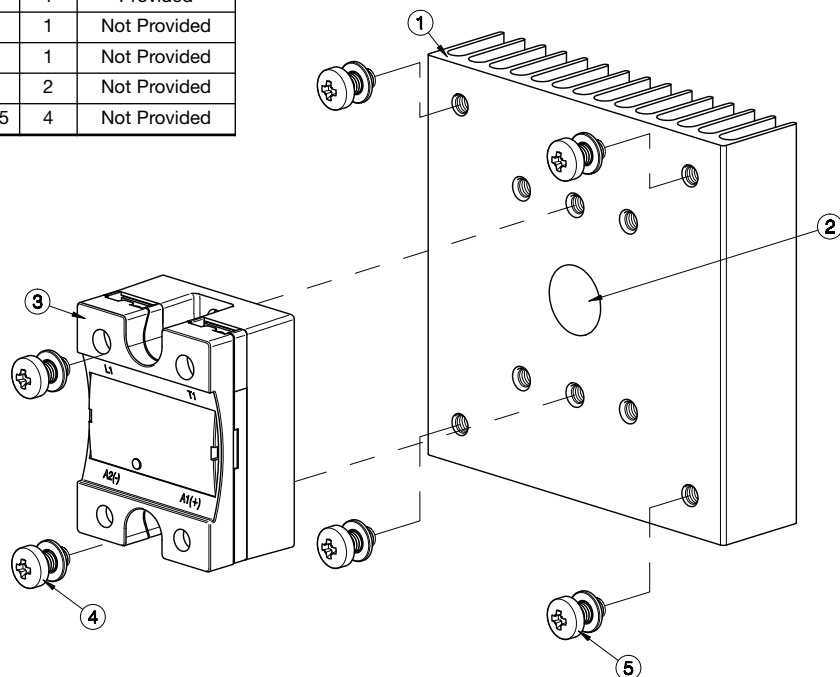
Product Description

Heatsink assembly suitable for mounting of maximum 3x 1-phase solid state relays (SSRs).

Suffix H49 added to SSR part no. refers to factory mounted heatsink. Conditions apply. Please ask your Sales representative for further details.

Heatsink Assembly

Components for assembly		Qty	RHS10025D
1	RHS10025D Heatsink Assembly	1	Provided
2	Thermal Compound or Pad	1	Not Provided
3	1-phase SSR 45x59mm	1	Not Provided
4	M5x10mm PZ2 + Washer	2	Not Provided
5	Thru Wall Panel Mounting Screws M5	4	Not Provided



Dimensions including the SSR

Heatsink Assembly

Components for assembly		Qty	RHS10025D
1	RHS10025D Heatsink Assembly	1	Provided
2	Thermal Compound or Pad	1	Not Provided
3	RGS1 SSR 18x90mm (max.)	3	Not Provided
4	M5x30mm Torx T20 + Washer (per SSR)	2	Not Provided
5	Thru wall Panel Mounting Screws M5	4	Not Provided

Dimensions including the SSR

Components for assembly		Qty	RHS10025D
1	RHS10025D Heatsink Assembly	1	Provided
2	Thermal Compound or Pad	1	Not Provided
3	RGS1 Power Module 18x90mm (max.)	2	Not Provided
4	M5x30mm Torx T20 + Washer (per SSR)	2	Not Provided
5	Thru wall Panel Mounting Screws M5	4	Not Provided
6	RGS1S Control Module 22.5x65mm (max.)	2	Not Provided

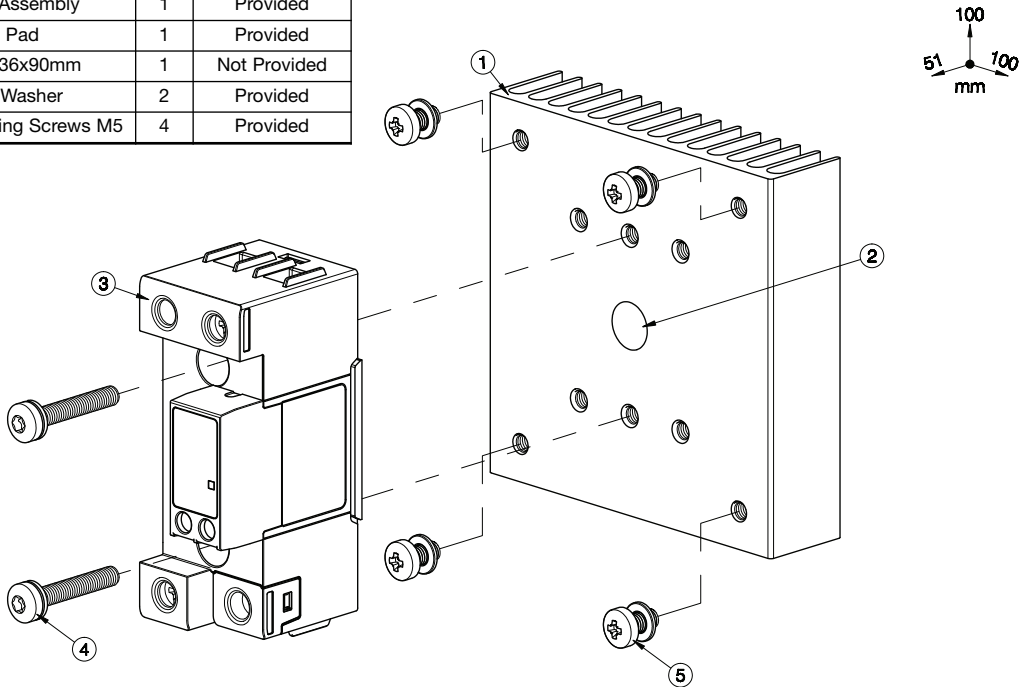
Note: When only 1 SSR is utilised it shall be mounted a the centre of the heatsink.

Dimensions including the SSR

Heatsink Assembly

Components for assembly		Qty	RHS10025D
1	RHS10025D Heatsink Assembly	1	Provided
2	Thermal Compound or Pad	1	Provided
3	RGS1 or RGS1S SSR 36x90mm	1	Not Provided
4	M5x30mm Torx T20 + Washer	2	Provided
5	Thru wall Panel Mounting Screws M5	4	Provided

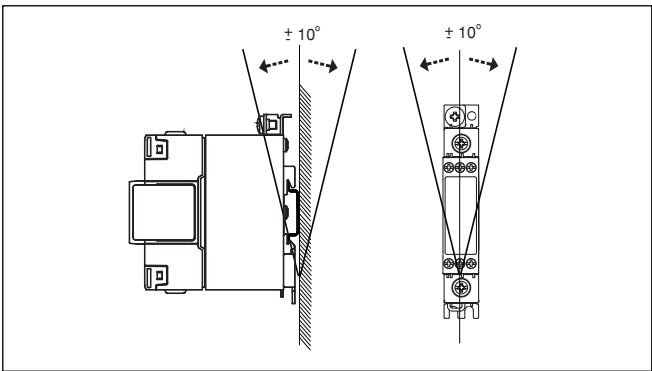
Dimensions including the SSR



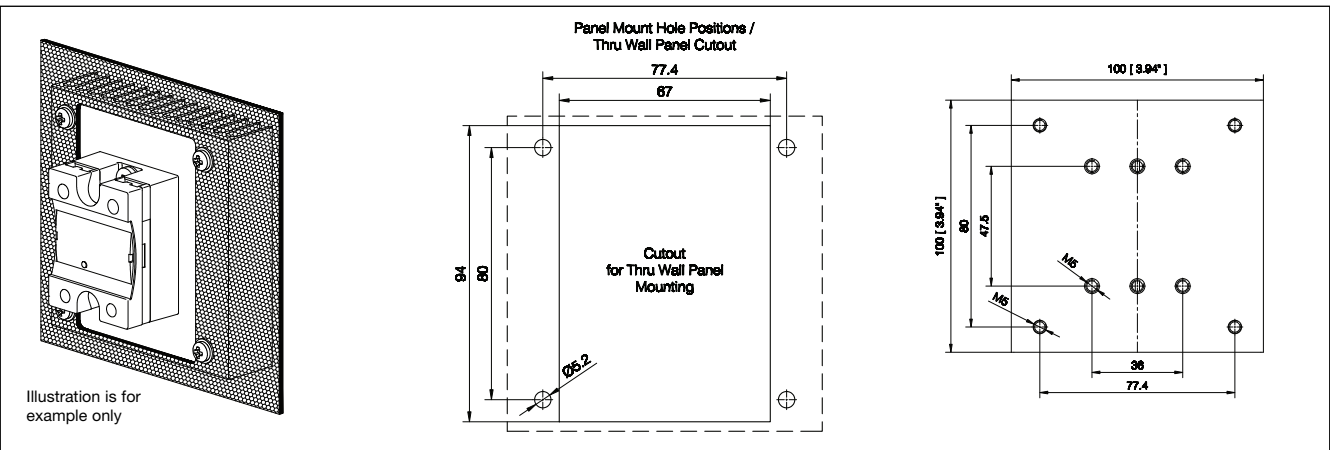
General Specifications

SSR max. mounting torque	1.5Nm (13.3 lb-in)
Weight (excl. SSR)	approx. 270g
Material	Aluminium
Finish	None
Fan mounting	Not possible

Mounting Position



Installation



All dimensions in mm.

Recommended Maximum Current Rating (per SSR)

Notes:

- The below recommendations are only valid when the assembly (SSR + heatsink) is mounted as shown in the mounting instructions unless otherwise indicated.
- The indicated ratings are applicable to one SSR, one pole. Please refer to the online selector tool at www.productselection.net for different load currents, surrounding temperatures or multiple units on one heatsink.
- These recommendations are applicable only with the indicated Carlo Gavazzi thermal interface material between SSR and heatsink. In case a different thermal interface is utilised these recommendation may no longer be valid.

Thermal interface = Thermal compound, **HTS02S**

Thermal interface = Thermal pad

KK071CUT for 1-phase SSRs, **RGHT** for RG SSRs

1x 1-phase SSR	Surrounding temperature							
	°C	20	30	40	50	60	70	80
	°F	68	86	104	122	140	158	176
RD..	1	1	1	1	1	1	1	n/a
	5	5	5	5	5	5	5	n/a
RA..L RA..T	10	10	10	10	10	10	7	n/a
	25	21	19.5	17	14.5	12	7	n/a
RA..	25	25	24	20.5	17	13.5	10	n/a
	50	32.5	30	26	21.5	17	12.5	n/a
	90	40	37	31.5	26	20.5	15	n/a
	110	44	41	34.5	28.5	22	16	n/a
RA60..	50	32.5	30.5	26	21.5	17.5	13	n/a
RA2A..*	25	20	18.5	15.5	12	9	6	n/a
	40	22.5	20.5	16.5	13	9.5	6	n/a
	25M	20	18.5	15.5	12	9	6	n/a
	40M	22.5	20.5	16.5	13	9.5	6	n/a
RS1A..	10	10	10	9.5	7.5	6	4	n/a
	25	25	25	24.5	19.5	15	10	n/a
RS1A..E	40	35.5	32.5	27	21	15.5	10.5	n/a
	25	17	16	14	12	10	8	n/a
RM1A.. RM1B.. RM1C..	40	19.5	18.5	16	13.5	11	8	n/a
	25	25	25	24.5	19.5	15	10	n/a
RM1A60.. RM1B60.. RM1C60.. RM1E60..	50	35.5	32.5	27	21	15.5	10.5	n/a
	75	42	38.5	31.5	25	18.5	12.5	n/a
	100	45.5	41.5	34	27	19.5	13	n/a
	50	35.5	33	27.5	22	16.5	11	n/a
RAM1A.. RAM1B.. RM1E..	25	25	25	24.5	19.5	15	10	5.5
	50	35.5	32.5	27	21	15.5	10.5	5.5
	75	42	38.5	31.5	25	18.5	12.5	6.5
	100	42	38.5	31.5	25	18.5	12.5	6.5
	125	45.5	41.5	34	27	19.5	13	7
RGS1..E	25	25	25	25	25	21.5	18	14
	50	41	38.5	34	29.5	25	20.5	16
	51	40	38	33.5	29.5	25	20.5	16
	75	45.5	42.5	37.5	32.5	27.5	22	17
	90	48	45.5	40	34.5	29	23.5	18.5
RGS1..U	91	48	45.5	40	34.5	29	23.5	18.5
	92	48	45.5	40	34.5	29	23.5	18.5
RGS1S..E	20	20	20	20	20	20	18	14
	30	30	30	30	29.5	25	20.5	16
RGS1S..U	20	23	23	23	23	21.5	18	n/a
	30	30	30	30	29.5	25	20.5	n/a
	31	30	30	30	30	29	23.5	n/a
	92	48	45.5	40	34.5	29	23.5	n/a
RGS1D..	25	48	45.5	40	34.5	29	23.5	n/a
RGS1D..	15	15	15	15	15	14.5	12	9.5
	25	22.5	21.5	19	17	14.5	12	9.5

* per pole

1x 1-phase SSR	Surrounding temperature							
	°C	20	30	40	50	60	70	80
	°F	68	86	104	122	140	158	176
RD..	1	1	1	1	1	1	1	n/a
	5	5	5	5	5	5	5	n/a
RA..L RA..T	10	10	10	10	10	10	7	n/a
	25	19	18	15.5	13.5	11	7	n/a
RA..	25	24	22.5	19.5	16	13	9.5	n/a
	50	30	28	24	20	15.5	11.5	n/a
	90	36	33.5	28.5	23.5	18.5	13.5	n/a
	110	39.5	36.5	31	25.5	20	14.5	n/a
RA60..	50	30	28	24.5	20	16	12	n/a
RA2A..*	25	20	19	15.5	12.5	9	6	n/a
	40	22.5	21	17	13.5	9.5	6.5	n/a
	25M	20	19	15.5	12.5	9	6	n/a
	40M	22.5	21	17	13.5	9.5	6.5	n/a
RS1A..	10	10	10	9	7.5	5.5	4	n/a
	25	25	25	22	17.5	13.5	9	n/a
RS1A..E	40	31.5	29	24	19	14	9.5	n/a
	25	15.5	15	13	11	9	7.5	n/a
RM1A.. RM1B.. RM1C..	40	17.5	16.5	14.5	12	10	8	n/a
	25	25	25	22	17.5	13.5	9	n/a
RM1A60.. RM1B60.. RM1C60.. RM1E60..	50	31.5	29	24	19	14	9.5	n/a
	75	36.5	33.5	28	22	16.5	11	n/a
	100	39.5	36	30	23.5	17.5	12	n/a
	50	32	29.5	24.5	19.5	15	10	n/a
RAM1A.. RAM1B.. RM1E..	25	25	25	22	17.5	13.5	9	5
	50	31.5	29	24	19	14	9.5	5
	75	36.5	33.5	28	22	16.5	11	6
	100	36.5	33.5	28	22	16.5	11	6
	125	39.5	36	30	23.5	17.5	12	6.5
RGS1..E	25	25	25	24.5	21.5	18.5	15.5	12
	50	34.5	32.5	29	25	21	17.5	13.5
	51	34	32.5	28.5	25	21.5	18	14
	75	38.5	36.5	32	28	23.5	19	15
	90	41	38.5	34	29.5	25	20.5	16
RGS1..U	91	41	38.5	34	29.5	25	20.5	16
	92	41	38.5	34	29.5	25	20.5	16
RGS1S..E	20	20	20	20	20	18.5	15.5	12
	30	30	30	29	25	21	17.5	13.5
	20	23	23	23	21.5	18.5	15.5	n/a
	30	30	30	29	25	21	17.5	n/a
RGS1S..U	31	30	30	30	29.5	25	20.5	n/a
	92	41	38.5	34	29.5	25	20.5	n/a
RGS1D..	61	41	38.5	34	29.5	25	20.5	n/a
RGS1D..	15	15	15	15	13.5	12	10	8
	25	18	17.5	15.5	13.5	12	10	8

Accessories

Thermal Pads



- Ordering key: **KK071CUT**
- Packing qty. 50 pcs.
- Suitable for 1-phase SSRs
- Dimensions: 35 x 43mm



- Ordering key: **RGHT**
- Packing qty. 10 pcs.
- Suitable for RG SSRs
- Dimensions: 14 x 35mm

Thermal Compound



- Ordering key: **HTS02S**
- 2ml syringe of silicone based thermal compound

Screw Kits



- Ordering key: **SRWKITM5X10MM**
- M5x10mm PZ2 screws + washers
- Packing qty. 20pcs.
- Suitable for 1-phase SSRs



- Ordering key: **SRWKITM5X30MM**
- M5x30mm Torx T20 screws + washers
- Packing qty. 20pcs.
- Suitable for RG SSRs